

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/003475

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M8/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/124405 A1 (ROCK JEFFREY A) 3 July 2003 (2003-07-03) page 1, paragraph 9 - paragraph 12 page 3, paragraph 33; claims 1-32; figures 4,6	1
X	US 2002/064702 A1 (GIBB PETER R) 30 May 2002 (2002-05-30) page 6, paragraph 85 - paragraph 88; claims 1-56; figures 1,2	1
Y	DE 101 62 871 A1 (FORSCHUNGSZENTRUM JUELICH GMBH) 10 July 2003 (2003-07-10) column 2, paragraph 17 - column 3, paragraph 25; claims 1-7; figures 1,3 ----- -/--	1,13,14, 17

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

16 August 2005

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Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Wiedemann, E

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/194595 A1 (GIBB PETER R ET AL) 16 October 2003 (2003-10-16) page 3, paragraph 32 - paragraph 36; claims 1-14; figures 2-4 -----	1,13,14, 17
Y	US 5 863 671 A (SPEAR, JR. ET AL) 26 January 1999 (1999-01-26) column 18, line 8 - line 35 column 19, line 48 - column 20, line 37; claims 1-33; figures 7,8,11 -----	1,14,17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/003475

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003124405 A1	03-07-2003	US 2002119358 A1 CN 1493092 A EP 1235289 A2 EP 1380062 A1 JP 2002260690 A JP 2004522262 T WO 02069425 A1	29-08-2002 28-04-2004 28-08-2002 14-01-2004 13-09-2002 22-07-2004 06-09-2002
US 2002064702 A1	30-05-2002	AU 1764700 A CA 2357928 A1 WO 0041260 A2 EP 1147566 A2 US 2002192531 A1	24-07-2000 13-07-2000 13-07-2000 24-10-2001 19-12-2002
DE 10162871 A1	10-07-2003	WO 03054992 A2 EP 1516382 A2	03-07-2003 23-03-2005
US 2003194595 A1	16-10-2003	CA 2425226 A1	12-10-2003
US 5863671 A	26-01-1999	AU 4193996 A AU 5920596 A CA 2202380 A1 CA 2220901 A1 CN 1184559 A EP 0783770 A1 EP 0832504 A1 JP 10507573 T JP 11510637 T WO 9612316 A1 WO 9637005 A1 US 6051331 A RU 2174728 C2 US 5683828 A US 5858567 A	06-05-1996 29-11-1996 25-04-1996 21-11-1996 10-06-1998 16-07-1997 01-04-1998 21-07-1998 14-09-1999 25-04-1996 21-11-1996 18-04-2000 10-10-2001 04-11-1997 12-01-1999